

STATE OF NORTH DAKOTA

**QUESTIONNAIRE TO RANK PROJECTS FOR POTENTIAL FINANCIAL
ASSISTANCE THROUGH THE
DRINKING WATER STATE REVOLVING LOAN FUND (DWSRF) PROGRAM**

**DWSRF PROGRAM
DIVISION OF MUNICIPAL FACILITIES
ENVIRONMENTAL HEALTH SECTION
NORTH DAKOTA DEPARTMENT OF HEALTH (DEPARTMENT)**

- **THIS QUESTIONNAIRE MUST BE COMPLETED FOR EACH PROJECT FOR WHICH YOU ARE SEEKING DWSRF ASSISTANCE.**
- **IT IS EXTREMELY IMPORTANT THAT ALL REQUESTED INFORMATION BE PROVIDED AND THAT THE INFORMATION BE COMPLETE. PROJECTS WILL NOT BE RANKED IF ANY OF THE REQUESTED INFORMATION IS MISSING. NO PRIORITY RANKING POINTS WILL BE ASSIGNED TO PROBLEMS OR INITIATIVES THAT ARE INADEQUATELY EXPLAINED AND DOCUMENTED.**
- **THIS COMPLETED QUESTIONNAIRE MUST BE RECEIVED BY THE DWSRF PROGRAM ON OR PRIOR TO OCTOBER 31.**

SYSTEM NAME: _____

NAME, TITLE, ADDRESS, & _____
TELEPHONE NO. OF _____
CONTACT PERSON: _____

**PROJECT DESCRIPTION (ATTACH ADDITIONAL INFORMATION AS NEEDED,
INCLUDING AVAILABLE ENGINEERING REPORTS):** _____

ANTICIPATED START DATE FOR PROJECT:

PLANNING - _____

DESIGN - _____

CONSTRUCTION - _____

WATER QUALITY

1. Is one of the purposes of your project to correct ongoing and unresolved water quality problems that your system is experiencing? If yes, detailed information concerning the water quality problems, as well as how the project will solve the problems, must be attached. The DWSRF Program will review your file to verify any water quality problems over the last 4 years. YES_____NO_____
2. Is one of the purposes of your project to correct ongoing and unresolved water quality problems being experienced by other public water systems (PWSs) through consolidation with or regionalized service by your system? If yes, detailed information concerning the water quality problems for each of these PWSs, as well as how the project will solve the problems, must be attached. The DWSRF Program will review the files for these PWSs to verify any water quality problems over the last 4 years. YES_____NO_____
3. Is one of the purposes of your project to correct ongoing and unresolved water quality problems being experienced by individual households or businesses (i.e., non-PWSs) that are within your service area (and presently using their own water supplies) through consolidation with or regionalized service by your system? If yes, detailed information concerning the water quality problems, as well as how the project will solve the problems, must be attached. YES_____NO_____

WATER QUANTITY

1. Is one of the purposes of your project to correct ongoing and unresolved water quantity problems that your system is experiencing? If yes, detailed information concerning the water quantity problems, as well as how the project will solve the problems, must be attached. Such information must include an estimate of the maximum water (in gallons per day) presently available to residential users served by your system. YES_____NO_____

2. Is one of the purposes of your project to correct ongoing and unresolved water quantity problems being experienced by other PWSs through consolidation with or regionalized service by your system? If yes, detailed information concerning the water quantity problems, as well as how the project will solve the problems, must be attached. Such information must include an estimate of the maximum water (in gallons per day) presently available to residential users within EACH of these PWSs. YES_____NO_____
3. Is one of the purposes of your project to correct ongoing and unresolved water quantity problems being experienced by individual households or businesses (i.e., non-PWSs) that are within your service area (and presently using their own water supplies) through consolidation with or regionalized service by your system? If yes, detailed information concerning the water quantity problems, as well as how the project will solve the problems, must be attached. Such information must categorize the problems as continuous/frequent daily water shortages or occasional/seasonal water shortages. YES_____NO_____

INFRASTRUCTURE ADEQUACY

1. From the list below, indicate which infrastructure problems, if any, that your project is intended to correct (applies to your system only). A complete description of each problem, along with an explanation of how the project will solve the problem, must be attached.
- | | | |
|----|--|-----------------|
| A. | Correction of general disinfection treatment deficiencies (<u>excludes</u> improvements necessary to directly comply with the Surface Water Treatment Rule, the Interim Enhanced Surface Water Treatment Rule, and the Groundwater Disinfection Rule, once finalized) | YES_____NO_____ |
| B. | Correction of well construction deficiencies | YES_____NO_____ |
| C. | Correction of distribution system pressure problems (dynamic pressure <20 psi) | YES_____NO_____ |
| D. | Replacement of deteriorated water mains | YES_____NO_____ |
| E. | Replacement of deteriorated finished water storage structures | YES_____NO_____ |

- F. Replacement of distribution system piping/materials shown via Department-approved testing to contribute unacceptable levels of lead or asbestos YES_____NO_____
- G. Water treatment plant (WTP) operating at or above design capacity - the following information must be attached: WTP design capacity; water production rates required to meet present demands (summer and winter); projected water production rates required to meet future demands (summer and winter); and, hours per day WTP presently operates/operated (summer and winter) YES_____NO_____
- H. WTP operating at or beyond useful or design life - information documenting the age and design life of the WTP must be attached YES_____NO_____
- I. Correction of specific design or operating deficiencies associated with water treatment plant unit processes (excludes disinfection treatment) YES_____NO_____
- J. Correction of specific design or operating deficiencies associated with surface water intake facilities YES_____NO_____
- K. Correction of specific design or operating deficiencies associated with finished water storage facilities YES_____NO_____
- L. Correction of specific design or operating deficiencies associated with raw or finished water pumping facilities YES_____NO_____
- M. Correction of specific design or operating deficiencies associated with raw or finished water distribution system piping YES_____NO_____
- N. Correction of specific design or operating deficiencies associated with chemical feed installations (excludes disinfection) YES_____NO_____
- O. For systems relying solely on their own groundwater supply, provision of a second well where only one functional well exists YES_____NO_____
- P. Replacement of inoperative, obsolete, or inadequate instrumentation or controls YES_____NO_____

AFFORDABILITY AND PROJECT FINANCIAL CONSIDERATIONS

ALL SYSTEMS

1. What is the estimated cost of your project? TOTAL \$ _____
Note: The total cost must equal the sum of the planning, design, construction, and land costs. Include land cost only if applicable and integral to the project.
A detailed cost estimate must be included.
- Planning \$ _____
 - Design \$ _____
 - Construction \$ _____
 - Land \$ _____

MUNICIPAL SYSTEMS ONLY

1. What is the total population presently served by your system, including the population of bulk users served by master meter? _____
2. Following project completion, what total population will your system serve, including the population of bulk users served by master meter? _____
3. How many total service connections does your system presently have? Following project completion, how many total service connections will your system have? Consider users within you municipality such as individually metered residences, schools, businesses, campgrounds, and rest areas as one service connection. Include the number of residential service connections within bulk users served by master meter such as trailer courts and subdivisions. Do NOT include users and associated service connections that you supply water to OUTSIDE of your municipality (if any). PRESENT _____
FOLLOWING _____
PROJECT
COMPLETION
4. How many total service connections does your system presently supply water to OUTSIDE of the municipality? Following project completion, how many total service connections will your system supply water to OUTSIDE of the municipality? Consider users outside of your municipality such as households, schools, businesses, campgrounds, and rest areas as one service connection. Include the number of service connections WITHIN bulk users served outside of your municipality by master meter such as subdivisions, trailer courts, other municipalities, and regional or rural water systems. Detailed information must be attached documenting the user types and service connection number for all users served outside of the municipality. PRESENT _____
FOLLOWING _____
PROJECT
COMPLETION

5. For a typical single residential user, what is your present average annual charge for water service? Include, if applicable, costs recovered through special assessments. \$/YEAR = _____
6. As a result of the project, what is your expected average annual charge for water service for a typical single residential user? Include, if applicable, costs to be recovered through special assessments. \$/YEAR = _____

REGIONAL AND RURAL WATER SYSTEMS ONLY

Regional and rural water systems must provide the information requested in Attachment 1.

OPERATOR SAFETY

1. Is one of the purposes of your project to correct a critical and chronic safety hazard, an intermittent safety hazard, or a potential significant safety hazard for your water system operators? If yes, a detailed description of the safety hazards to be corrected must be attached. YES_____NO_____

MISCELLANEOUS

1. Is one of the purposes of your project to increase water availability for or to improve fire protection? If yes, a detailed description of these project features must be attached. YES_____NO_____

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STATEMENT OF CERTIFICATION

I certify that the above information, to the best of my knowledge, is true and accurate.

Signature: _____ Date: ____/____/____

Name (please print): _____

Telephone number: _____

Title: _____

Please direct the questionnaire to the North Dakota Department of Health, Division of
Municipal Facilities, 918 East Divide Avenue, 3rd Floor, Bismarck, ND 58501-1947.
Questions may be directed to David Bruschwein at (701)328-5211.

ATTACHMENT 1

Pre- and Post-Project Service Area Characteristics For Regional and Rural Water Systems

The below information is required to rank projects submitted by regional and rural water systems for potential DWSRF loan assistance. A tabular format is preferred for presentation of the information. A narrative format is acceptable as long as the information is condensed and not dispersed within a lengthy document requiring review. **Regional and rural water system projects cannot be ranked unless all of the requested information is provided.**

Pre-Project (Existing) Service Area Characteristics

The following information must be provided **for each county** that presently receives water service:

- **Population served.** Provide a breakdown of the present population served by user type. Provide a separate listing of all bulk users and identify the present population served by each. Consider systems served by master meter such as trailer courts, subdivisions, municipalities, and other regional or rural water systems as bulk users.
- **Service connections.** Provide a breakdown of the present service connections by user type. As part of the bulk user listing, identify the present number of service connections **within** each bulk user system.
- **Average annual charge for water service.** Provide a copy of the present water rate schedule. Identify the present average **annual** charge for a typical single residential/individual user. As part of the bulk user listing, identify the present average **annual** charge for each bulk user system. Base all average annual charges on present average annual water usage.

Post-Project (Following Project Completion) Service Area Characteristics

The following information must be provided **for each county** that receives water service including those that will receive service following project completion:

- **Population served.** Provide a breakdown (by user type) of the projected population to be served following project completion. Provide a separate listing of all existing and projected bulk users, and specify the population served or expected to be served by each.
- **Service connections.** Provide a breakdown (by user type) of the projected service connections following project completion. As part of the bulk user listing, identify the projected number of service connections **within** each bulk user system.
- **Average annual charge for water service.** Provide a copy of the projected water rate schedule following project completion. Identify the projected average **annual** charge for a typical single residential/individual user. As part of the bulk user listing, identify the projected average **annual** charge for each bulk user system. Base all average annual charges on projected average annual water usage.